



Minnesota Ag News – Crop Weather

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Released: August 29, 2011

Issue No: CW-34-11

COOPERATING WITH THE MN DEPARTMENT OF AGRICULTURE, NATIONAL WEATHER SERVICE - CHANHASSEN, MN

UNIV. OF MINN. EXTENSION SERVICE, DNR STATE CLIMATOLOGY OFFICE, USDA-FSA, USDA-NRCS, and Local FACs

FAVORABLE HARVEST CONDITIONS CONTINUED

Another week of above average temperatures and limited rain advanced crop maturity and allowed producers to make rapid harvest progress, according to the USDA, NASS, Minnesota Field Office. However, precipitation shortfalls in the southern third of the state continued. As of August 28, topsoil moisture supplies were rated 7 percent very short, 22 percent short, 64 percent adequate, and 7 percent surplus, a decline from the previous week. Statewide, 6.2 days were rated suitable for fieldwork.

The small grain harvest continued rapidly this past week. Spring wheat was 77 percent harvested, surpassing the five-year average pace of 76 percent. Oats were 90 percent harvested, compared to 91 percent average, while barley was 76 percent harvested, compared to 83 percent average.

The canola harvest advanced 31 percentage points from the previous week to 50 percent complete, compared to 55 percent average. Other harvest activities included potatoes at 14 percent, sweet corn at 57 percent, and corn cut for silage at 5 percent.

Ninety-eight percent of corn was in the milk stage, compared to 97 percent average, while 82 percent of corn was in the dough stage, compared to 78 percent average. Thirty-six percent of corn was in the dent stage, compared to 47 percent average. Corn condition ratings were 24 percent fair and 51 percent good, a slight decrease from the previous week.

Ninety-four percent of soybeans were setting pods, compared to 98 percent average. Two percent of soybeans were turning yellow, compared to 16 percent average. Soybean condition ratings fell slightly and were rated 26 percent fair and 50 percent good.

Range and pasture condition was rated 2 percent very poor, 10 percent poor, 22 percent fair, 53 percent good, and 13 percent excellent, a slight decline from the previous week.

The following links provides further weather-related information and maps for Minnesota:

Minnesota Climatology Working Group provides statewide precipitation maps for the previous week:
<http://climate.umn.edu/doc/weekmap.asp>

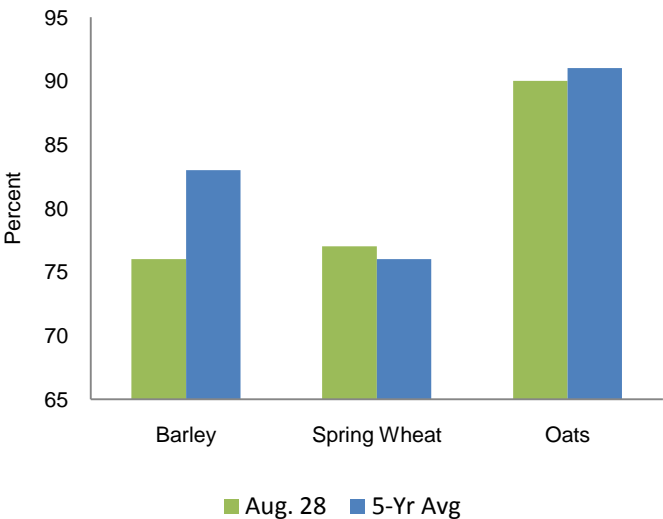
National Weather Service’s Minnesota Data:
<http://www.nws.noaa.gov/view/states.php?state=MN>

Days Suitable for Fieldwork: 6.2				
	Very Short	Short	Adequate	Surplus
	----- Percent -----			
Topsoil Moisture	7	22	64	7

Crop Progress as of August 28, 2011					
Crop	Stage of Development	This Week	Last Week	Last Year	5 Yr Avg
		----- Percent -----			
Corn	Milk	98	89	100	97
	Dough	82	53	93	78
	Dent	36	12	63	47
Corn Silage	Harvested	5	1	11	13
Soybeans	Setting Pods	94	85	99	98
	Turning Yellow	2	0	12	16
Oats	Harvested	90	77	98	91
Spring Wheat	Harvested	77	54	96	76
Barley	Harvested	76	54	98	83
Dry Beans	Setting Pods	99	91	98	NA
	Fully Podded	78	53	93	NA
	Leaves Yellowing	24	11	40	NA
Potatoes	Harvested	14	12	27	26
Canola	Harvested	50	19	90	55
Sweet Corn	Harvested	57	43	61	55

Condition as of August 28, 2011					
	Very Poor	Poor	Fair	Good	Exc
	----- Percent -----				
Pasture	2	10	22	53	13
Soybeans	3	8	26	50	13
Corn	3	9	24	51	13
Sugarbeets	4	13	31	40	12
Potatoes	0	3	18	52	27
Canola	0	8	57	34	1
Dry Beans	3	9	28	48	12
Sunflowers	2	8	49	37	4

Small Grain Harvested:
August 28 vs. 5-Yr Avg.



PRECIPITATION AND TEMPERATURES FOR THE WEEK ENDING August 28, 2011:
Temperatures averaged from 1.1 degree above normal in the Northeast District to 3.4 degrees above normal in the Northwest; North Central Districts. Extremes: 38 degrees in International Falls; 95 degrees in Canby. Average precipitation ranged from 0.75 inch below normal in the East Central District to 0.21 inch below normal in the West Central District. Greatest weekly total of 1.25 inches was recorded in Collegeville.

For a map of Minnesota's precipitation, please see the Minnesota Climatology Group's website; <http://climate.umn.edu/doc/weekmap.asp>.

Precipitation and Temperature Summary for 8/22/2011 through 8/28/2011

	Temperature				Precipitation				G D D	
	High	Low	Week Ave	Depart from Norm	Week Total	Depart Past Week	From Four Weeks	Norm Since 4/1	Since May 17	Depart from Norm
<u>NW DIST 1</u>										
Crookston	90	47	68.6	2.7	0	-.64	-.15	-.93	1801	25
Itasca	88	46	66.8	4.7	.12	-.69	-2.50m	-.58m	1565m	94m
Moorhead	90	50	69.8	2.9	.03	-.52	1.77	6.48	1986	131
Warroad	89	46	66.0	2.7	.02	-.62	-2.42	.53	1489	-79
<u>NC DIST 2</u>										
Grand Rapids	84	47	66.6	3.7	.21	-.58	2.04	3.49	1680	119
Intl. Falls	86	38	64.6	3.0	.01	-.71	-1.30	-.75	1495	29
<u>NE DIST 3</u>										
Duluth	82	50	66.2	4.4	.46	-.52	1.53	2.39	1477	106
Grand Marais	79	46	58.8	-2.8	.04	-.68	-1.47	-1.17m	866m	-168m
Hibbing	82	40	63.2	1.7	.14	-.60	-1.21	-2.78	1449	25
<u>WC DIST 4</u>										
Alexandria	84	54	68.2	2.4	.62	-.18	1.86	7.24	1875	98
Browns Valley	92	50	68.6	.7	.46	-.11	-.90	3.54	1890	-66
Canby	95	55	72.0	2.9	0	-.61	-2.10	1.99	2061	13
Montevideo	89	52	69.2	1.4	.75	.07	-1.07	2.24	1998	47
Morris	87m	52m	68.5m	1.5m	.44m	-.23m	-1.14m	3.36m	1846m	-53m
Wheaton	89	55	69.1	1.2	.36	-.19	.05	5.65	1939	-3
<u>CENT DIST 5</u>										
Becker	M	M	M	M	.15	-.79	-.77	6.54	602m-1198m	
Collegeville	87	55	71.4	3.2	1.25	.38	3.21	9.68	2118	139
Hutchinson	86	54	70.7	3.7	.38	-.48	-.74	7.48m	2052	103
Melrose	85	52	68.6	1.7	.28	-.49	-.92	4.54	1901	11
Olivia	85	48	66.8	.3	.75	-.01	-1.81	1.91	1975	58
St. Cloud	86	50	68.8	3.7	.51	-.39	1.67	4.88	1947	191
Wadena	83	46	64.9	1.2	.46	-.22	-.91	-4.40m	1020m	-577m
Willmar	86	51	67.5	1.5	.40	-.45	-.53	5.69	1920	71
<u>EC DIST 6</u>										
Aitkin	85	48	66.3	3.6	.23	-.60	.16	5.05	1831	323
Forest Lake	89	52	70.4	3.8	.04	-.96	-.54	2.52	2022	153
Hinckley	82	46	64.8	1.6	.32	-.58	1.08	1.80m	1549m	-34m
MSP Airport	87	59	73.2	4.6	.12	-.76	-.69	2.73	2287	248
St. Paul - UofM	87	56	70.5	2.2	.11	-.85	1.52	7.89	2070	68
<u>SW DIST 7</u>										
Lamberton	90	53	69.8	2.4	0	-.74	-2.48	3.52	2106	115
Marshall	92	55	71.4	2.9	0	-.66	-2.61	1.02	2069	41
Pipestone	88m	48m	69.8m	2.5m	.25	-.45	-1.74	6.80	1908m	-11m
Redwood Falls	90	54	70.4	1.3	1.00	.22	-2.02	.03	2162	65
Worthington	90	52	69.9	3.6	.11	-.66	-2.81	5.80	2007	134
<u>SC DIST 8</u>										
Faribault	M	M	M	M	M	M	M	-1.62m	613m-1294m	
North Mankato	87	54	69.4	1.6	.10	-.88	-2.93	-.78	2034	53
Waseca	84m	54m	69.8m	2.6m	.17m	-.83m	-3.53m	1.80m	2031m	98m
Winnebago	89	54	71.4	3.5	.44	-.46	-3.25	.16	2169	172
<u>SE DIST 9</u>										
Preston	86	48	68.8	2.3	.55	-.49	-3.38	-2.54	2033	201
Red Wing	87	56	70.8	2.8	.18	-.71	-2.02	2.26	2159	190
Rochester	83	52	68.2	2.2	.53	-.40	-3.19	-1.01	2025	218
Rosemount	86	54	69.7	2.9	.12	-.90	-2.53m	4.15m	2085	203
Winona	86	58	71.6	3.4	.19	-.73	-2.12	2.83	2088m	88m

m=some data missing

Corn growing degree days (GDD) are calculated by subtracting a 50 degree base temperature from the average of the maximum and minimum temperature for the day. The daily maximum is limited to 86 degrees and minimum of 50 degrees.

The MINNESOTA WEEKLY CROP-WEATHER REPORT (USPS-387190) is published weekly in April through November (crop season). Subscription rates are \$15.00 per year for non-reporters and free to survey respondents by the USDA-NASS Minnesota Field Office, P O Box 7068, St. Paul, MN 55107. Periodicals postage paid at St. Paul, Minnesota and other mailing offices. POSTMASTER: Send address changes to the MINNESOTA WEEKLY CROP-WEATHER REPORT, P O Box 7068, St. Paul, MN 55107.

WEEKLY NEWS REPORT
Minnesota Crop-Weather Report
Publication No. 387190
Address Service Requested

USDA, NASS, Minnesota Field Office
PO Box 7068, ST. PAUL MN 55107

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